

September 4, 2013



U.S. Department
of Transportation

East Building, PHH – 30
1200 New Jersey Avenue, Southeast
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 13057
(SEVENTH REVISION)

EXPIRATION DATE: July 31, 2017

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: MINTEQ International Inc.
Canaan, CT
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of steel tubing which has an inner core containing the hazardous materials listed in paragraph 6 of this special permit and exempts the steel tubing from the packaging, marking, labeling and placarding requirements of the Hazardous Materials Regulations (HMR). This special permit provides no relief from the HMR other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
 - c. Party status will not be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR Part 172, Subparts D, E and F in that the steel tubing is exempt from marking, labeling and placarding; § 173.24(c), and Subparts E and F of Part 173 in that the packaging is not authorized, except as specified herein.
5. BASIS: This special permit is based on the applications of MINTEQ International, Inc. dated June 17, 2013 submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

| Hazardous Materials Description | | | |
|--|------------------------------|------------------------------|----------------------|
| Proper Shipping Name | Hazard Class/Division | Identification Number | Packing Group |
| Antimony powder | 6.1 | UN2871 | III |
| Antimony compounds, inorganic, solid, n.o.s. | 6.1 | UN1549 | III |
| Calcium | 4.3 | UN1401 | II |
| Calcium silicide | 4.3 | UN1405 | III |
| Environmentally hazardous substances, n.o.s. | 9 | UN3077 | III |
| Flammable solid, inorganic, n.o.s | 4.1 | UN3178 | III |
| Flammable solid, toxic, inorganic, n.o.s | 4.1 | UN3179 | III |
| Generic or specific materials listed in Table 172.101 that meet the definition of 4.1, Packing Group III, which are authorized in writing by the Office of Hazardous Materials Special Permits and Approvals prior to the first shipment | 4.1 | As appropriate | III |
| Generic or specific materials listed in Table 172.101 that meet the definition of 4.3, Packing Group III, which are authorized in writing by the Office of Hazardous Materials Special Permits and Approvals prior to the first shipment | 4.3 | As appropriate | III |

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| Hazardous Materials Description | | | |
|--|---------------------------|-----------------------|---------------|
| Proper Shipping Name | Hazard Class/ Division | Identification Number | Packing Group |
| Generic or specific materials listed in Table 172.101 that meet the definition of 6.1, Packing Group III, which are authorized in writing by the Office of Hazardous Materials Special Permits and Approvals prior to the first shipment | 6.1 | As appropriate | III |
| Metal powders, flammable, n.o.s. | 4.1 | UN3089 | III |
| Silicon powder, amorphous | 4.1 | UN1346 | III |
| Sulfur | 4.1 9 | UN1350 NA1350 | III III |
| Titanium sponge granules or powder | 4.1 | UN2878 | III |

7. SAFETY CONTROL MEASURES:

a. PACKAGING - The hazardous material must be contained in the core of a continuous roll of steel tubing. The seam of the tube must be sealed within a water vapor-tight, double overlapped crimp in a roll-forming process, or by other equivalent means as shown on the drawing identified as "APPENDIX B" submitted by the applicant and on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA).

- (1) The outer diameter of the core-filled steel tubing is limited to a maximum of 25.4 mm (one inch).
- (2) The ends of the core-filled steel tubing must be securely sealed with a suitable water vapor-tight cap.

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- (3) The wall thickness of the core-filled steel tubing may not be less than 0.4 mm for tubing with outer diameters greater than 16 mm and may be less than 0.25 mm for tubing outer diameters of 16 mm or less.
- (4) The quantity of hazardous material shall not exceed 1000 grams (2.2 pounds) per meter of core-filled steel tubing.
- (5) The core-filled steel tubing must be continuously coiled on a strong wooden or steel reel or within a steel cage securely affixed on a wooden or steel pallet. The length of any one continuous roll or coil shall not exceed 12,500 meters.
- (6) Reels or cages of core-filled steel tubing must be completely enclosed in water vapor-resistant plastic sheeting or shrink-wrap and secured on a pallet.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. The wooden or steel reel or cage containing the core-filled steel tubing must be marked with "DOT-SP 13057" in letters at least 2 inches high on a contrasting background.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this special permit.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
 - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 Immediate notices of certain hazardous materials incidents, and 171.16 Detailed hazardous materials

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incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: SCW/SGrey